

### Claims

1. Use of osmolytes as well as their pharmacologically compatible salts and/or derivatives having equal effects for the production of dermatological preparations for the topical prophylaxis, treatment and/or tending of neurodermatitis.
2. Use of osmolytes as well as their pharmacologically compatible salts and/or derivatives having equal effects for the topical prophylaxis, treatment and/or tending of neurodermatitis.
3. Use according to claims 1 or 2, characterized in that ectoine, hydroxyectoine, firoin, firoin-A, diglycerol phosphate, cyclic diphosphoglycerate, 1,3 dimannosyl myo-inositol phosphate (DMIP) and/or diinositol phosphate are used as osmolytes.
4. Use according to claims 1 to 3, characterized in that ectoine and/or hydroxyectoine, their derivatives having equal effects and/or their pharmacologically compatible salts are used as osmolytes.
5. Use according to claims 1 to 4, with the dermatological composition being a tincture, lotion, O/W emulsion, W/O emulsion, cream, ointment or a hydrogel or spray composed of customary auxiliary substances.
6. Use according to claims 1 to 5, with the cosmetic or dermatological preparation being an ointment, cream or lotion comprising active-agent containing flexible liposomes.
7. Use according to claims 1 to 5, with the dermatological preparation being an ointment, cream or lotion containing microsomally capsuled active-agent.
8. Use according to any one of claims 1 to 7, characterized in that further active agents are added to the preparation.
9. Use according to claim 8, characterized in that as further active agents one or several analgetics, antiphlogistics, antipruritic substances, antibiotics,

fungistats and/or fungicides are added to the preparation.

10. Use according to claims 8 or 9, characterized in that as further active agents glucocorticoids or calcineurin inhibitors are added.